

Amendment G, Responsive to 25 May 2005 action.

Appl. no. 09/670,702
Atty. ref. IG012a0fUS

Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims in this application.

LISTING OF CLAIMS

1-31 (*canceled*).

- 32 (*new*). A method for fabricating an insulating glazing unit that includes
- (1) a first glass sheet having a first perimeter,
 - (2) a second glass sheet having a second perimeter, and
 - (3) disposed intermediate said first and second glass sheets and inwardly from said first and second perimeters, a single spacer frame comprising a foam body, a moisture barrier layer attached to said foam body, and two insets that define two notches, wherein said first and second glass sheets and said frame cooperate to define an insulating chamber inward of said frame and a channel outward thereof, said method comprising:
 - a) utilizing an adhesive to directly bond said first and second glass sheets to opposing sides of said spacer frame so that said moisture barrier layer and said notches face said channel and so that each of said notches is adjacent opposing glass sheets;
 - b) applying a moisture impermeable primary sealant material in said channel so as to hermetically seal said insulating chamber, whereby at least a portion of said primary sealant material contacts each of said first and second glass sheets; and
 - c) subsequently applying a structural sealant material over said primary sealant material, thereby providing said insulating glazing unit.
- 33 (*new*). The method of claim 32 wherein said spacing frame comprises desiccant accessible to said insulating chamber.
- 34 (*new*). The method of claim 32 wherein said moisture impermeable primary sealant material is applied only within said notches.
- 35 (*new*). The method of claim 32 wherein said moisture impermeable primary sealant material is applied across the width of said channel.

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- 36 (*new*). The method of claim 32 wherein said moisture impermeable primary sealant material is applied at a first station with a first application nozzle and wherein said structural sealant material is applied at a second station with a second application nozzle, said first and second stations being spaced apart from one another.
- 37 (*new*). The method of claim 32 wherein said moisture impermeable primary sealant material is applied with a first applicator and wherein said structural sealant material is applied with a second applicator, said second applicator trailing said first applicator.
- 38 (*new*). The method of claim 37 wherein said first applicator is retracted prior to introduction of said second applicator.
- 39 (*new*). The method of claim 32 wherein said moisture impermeable primary sealant material comprises hot-melt butyl rubber or polyisobutylene.
- 40 (*new*). The method of claim 32 wherein said structural sealant comprises a thermoset.